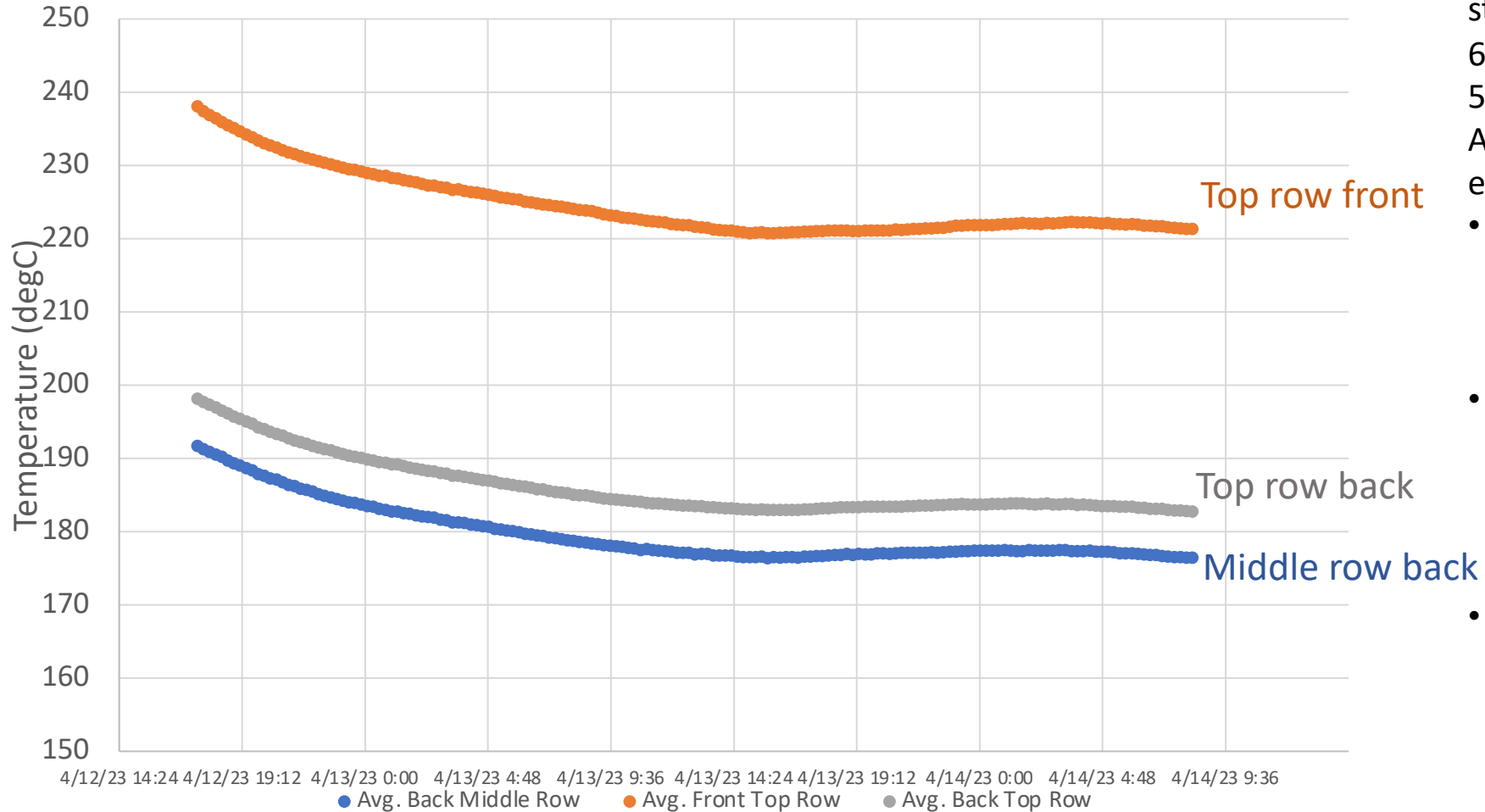ECal Prototype Temperature vs Time @58V (58W per supermodule)

Recently completed prototype heating test . Plot shows system stabilizing (coming down from 60V) under 58VAC which provides 58W per supermodule.

All heaters (front and side) sent equal current: no zoning

- Shown is top row with front temperature ~222degC and back of crystal temperature 183 degC.
- Limited readout channels so similar comparison between front and back not available for all rows but middle row about 5 deg cooler.
- Plan to implement stratified zoning (5-10 supermodules per zone) for more uniform heating control.